

English

1 Cautionary Notes

- (1) Please read this manual thoroughly prior to installation.
- (2) Before installing, check the components and condition of the product, and if any problem is found, contact the retailer.
- (3) Avoid inserting objects or hands into the system while it is in operation to prevent product damage and injuries.
- (4) Check the manual when connecting cables. Incorrect connections may cause short circuits leading to fire hazards.
- (5) Do not block the Front Intake Vent or the Rear Exhaust Vent.
- (6) Keep this unit away from heat sources, direct sunlight, water, oil, and humid environments, and place the unit on a flat, stable, vibration-free, and well-ventilated area.
- (7) Do not clean the product surface with chemicals or wet cloth. (chemicals: industrial brightener, wax, benzene, alcohol, paint thinner, mosquito repellent, aromatics, lubricant, detergent etc.)
- (8) Please wear gloves while handling this product to prevent injuries.
- (9) Product design and specifications may be revised to improve quality and performance.

Disclaimer) Zalman Tech Co., Ltd. is not responsible for any damages due to external causes, including but not limited to, improper use, problems with electrical power, accident, neglect, alteration, repair, improper installation, or improper testing.

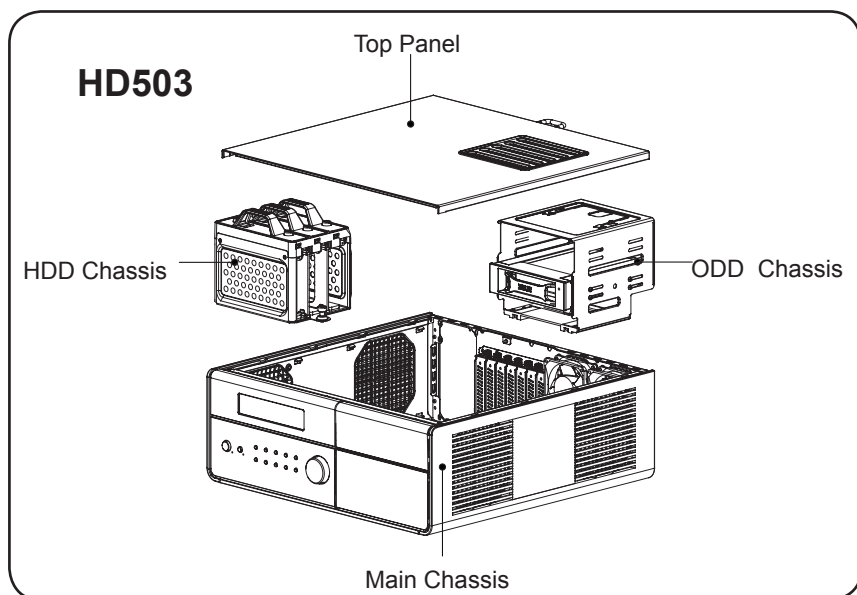
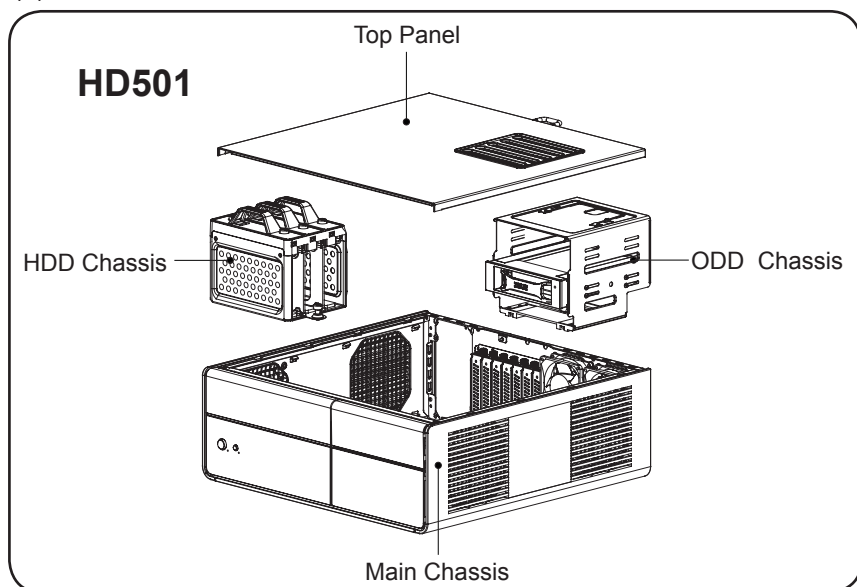
The diagrams used in this manual are based on model HD503. Installation for the HD501 follows the exact installation procedure.

2 Specifications

Models	HD501	HD503
Enclosure Type	HTPC	
Dimensions (W×H×D)	450 × 170 × 455mm (17.6" × 6.8" × 17.9")	
Weight	Main Unit: 8kg(17.6lb) / with packaging: 9.6kg(21lb)	
Materials	Aluminum / Plastic / Steel	
Color	Black / Silver	
Compatible Motherboards	Standard ATX / mATX	
Compatible PSUs	Standard ATX / ATX12V	
PCI/AGP Compatibility	Full Size (Up to 260mm)	
5.25" Bays	2 (Hot Swap Bay × 1)	
3.5" Bays	3 (SSD × 2)	
Cooling Components	Rear: 2 X 80mm fans Side: 2 X 120mm fans(Optional)	
Expansion Slots	7	
Front I/O Ports	1 X Mic, 1 X Headphones, 2 X USB, 1 X e-SATA	
Display	N/A	DFSTN LCD
Supports Hot Swap	SATA I, SATA II	

3 Components

(1) Main Unit



(2) Parts [HD501, HD503]



13 X Motherboard/
PSU Bolts



2 X HDD Bolts
(Hot Swap Bay)



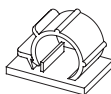
4 X ODD Bolts



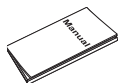
2 X mATX Standoffs



4 X SSD Bolts



1 X Clamp



1 X User's Manual



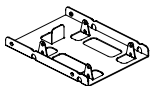
10 X Cable Ties



1 X Lock Plate Bolt



1 X Lock Plate

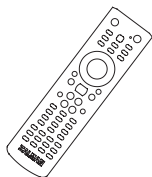


1 X SSD Bracket

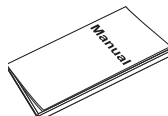


1 X CPU Power
Extension Cord

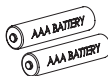
(3) iMON Components [HD503]



Remote Control



iMon User's Manual



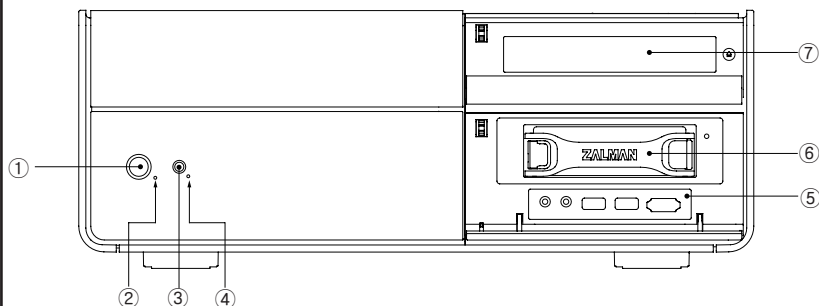
2 X Batteries(AAA)



Installation CD

4 Front Panel Components

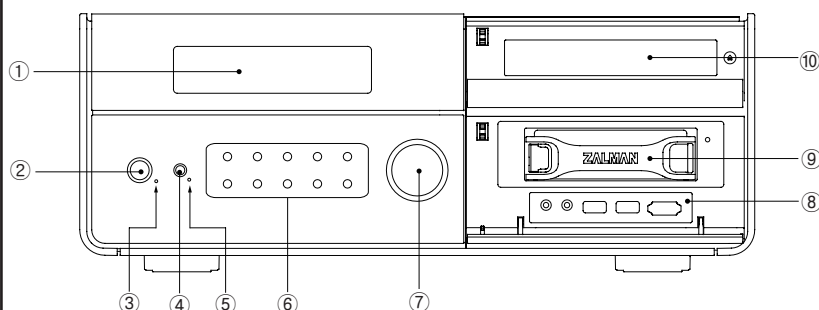
HD501



- ① Power Button
- ② Power LED
- ③ Reset Button
- ④ HDD LED

- ⑤ Front I/O Port
- ⑥ HDD Hot Swap Bay
- ⑦ 5,25" ODD Bay

HD503



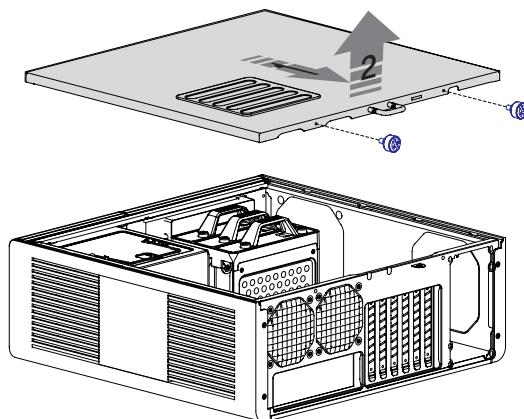
- ① LCD & IR Receiver
- ② Power Button
- ③ Power LED
- ④ Reset Button
- ⑤ HDD LED

- ⑥ Media Control Button
- ⑦ Volume Control Knob
- ⑧ Front I/O Port
- ⑨ HDD Hot Swap Bay
- ⑩ 5,25" ODD Bay

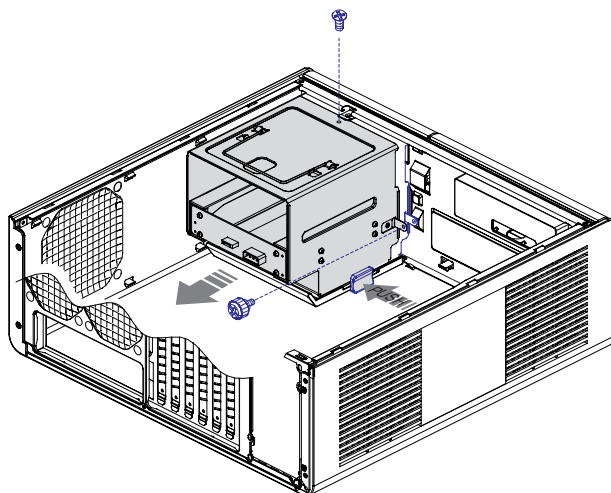
5 Installation

(1) Installation Preparation

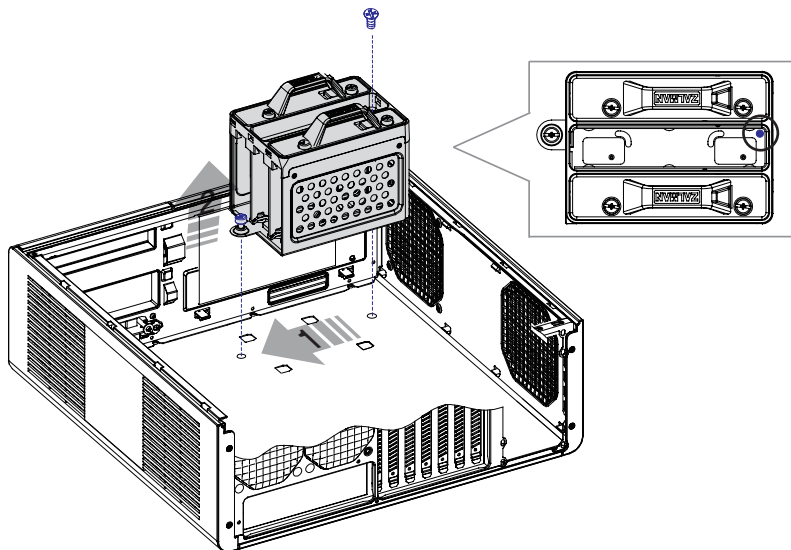
- 1) Unfasten the rear screws and remove the Top Panel.



- 2) Unfasten the two screws (Top and Side) holding the ODD Chassis. With the Side Button pressed, push the ODD Chassis towards the rear to remove.

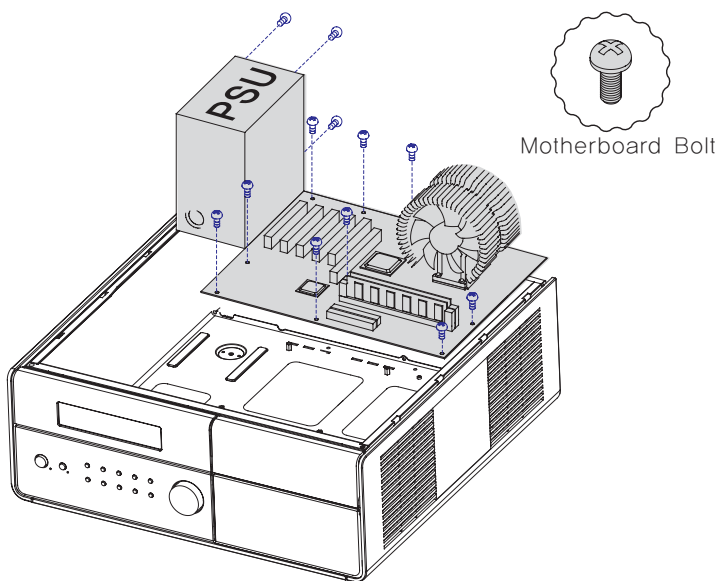


- 3) Unfasten the HDD Chassis' Handscrew (Top) and Fixing Screw (Bottom), then move sequentially in the directions as indicated by the numbered arrows in the diagram to remove.



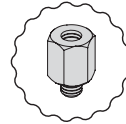
(2) Motherboard and PSU Installation

Install the motherboard (with CPU, RAM etc. installed) and PSU.

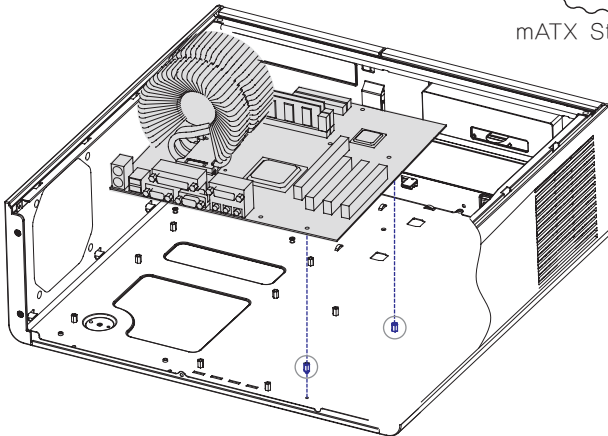


**Tip**

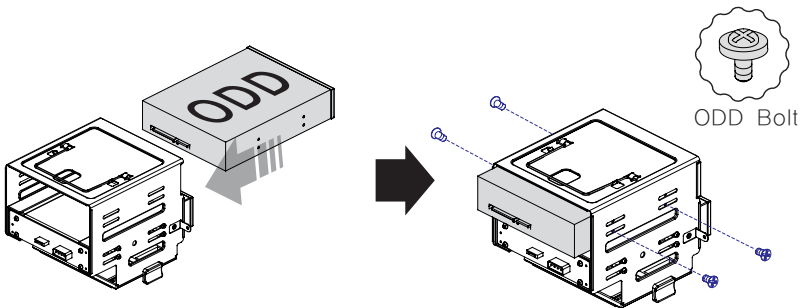
If the motherboard is of the mATX standard, please install the mATX Standoffs before motherboard installation.



mATX Standoff

**(3) ODD Installation**

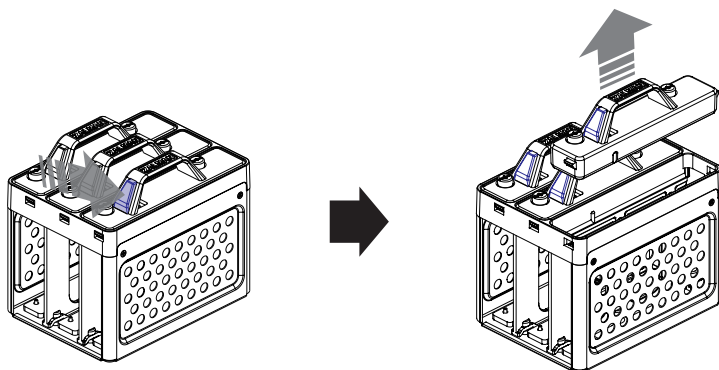
Install the ODD into an available slot in the ODD Chassis and fasten with ODD Bolts.



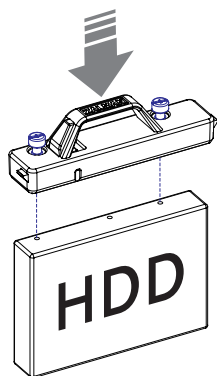
ODD Bolt

(4) 3.5" HDD Installation

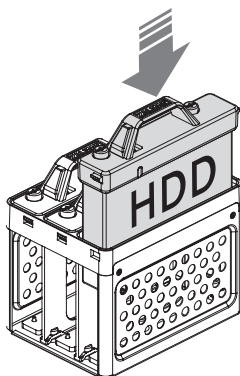
To remove Handle, pull upwards while pressing the Hook Button.



Use the Hand Screws to attach the Handle to the HDD.



Push the HDD into the slot until there is a "Click" sound.

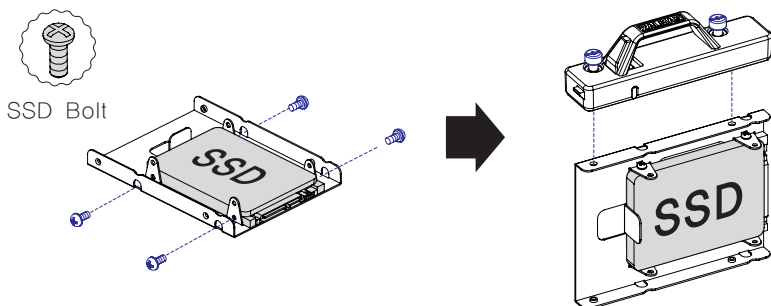


Tip

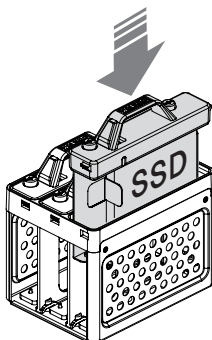
- ▶ HDD removal is possible without removing the HDD Chassis from the main unit.
- ▶ Please properly align the HDD and HDD Handle during installation and assembly.

(5) SSD or 2.5" HDD Installation

Insert the SSD in the SSD Bracket and fasten with SSD Bolts. Reattach the HDD handle to the SSD Bracket.



Push the SSD into the slot until there is a "Click" sound.



Tip

Two SSD's can be installed on a single Bracket.

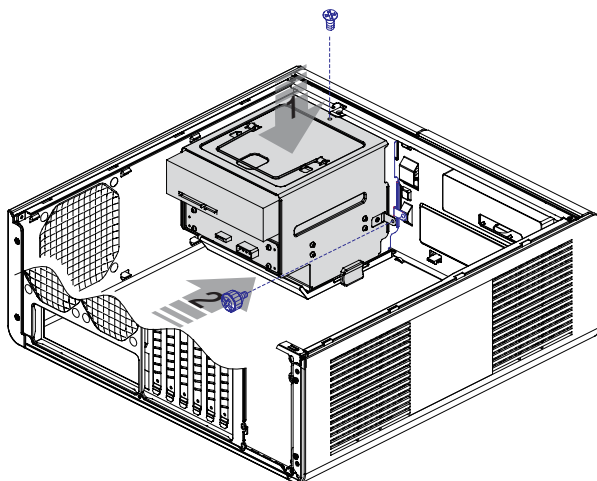


Caution

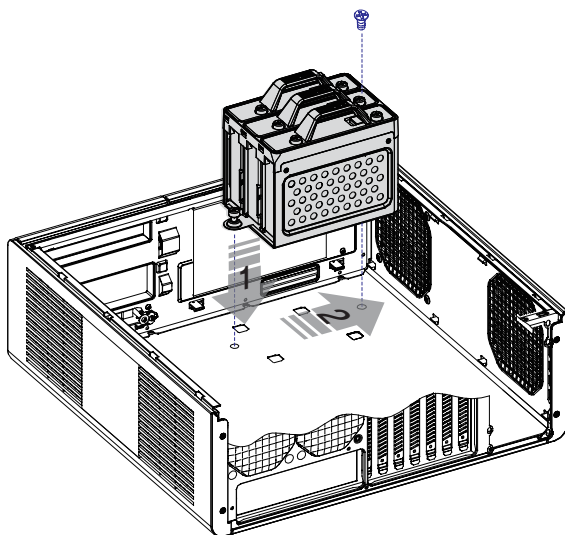
Installing HDD's to the bottom rung can cause short circuiting so please make sure to install HDD's to the top rung.

(6) ODD/HDD Chassis Assembly

- 1) Push the ODD Chassis into its slot until there is a "Click" sound and fasten with Hand Screws.



- 2) Push the HDD Chassis into its slot and fasten with the Hand Screws.



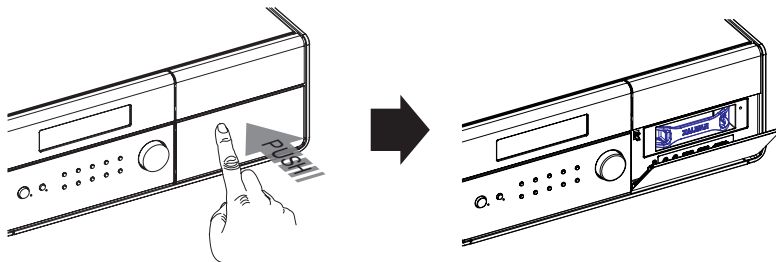
Tip

If the case is frequently transported, please fasten the ODD Chassis (Top) and HDD Chassis (Bottom) before use.

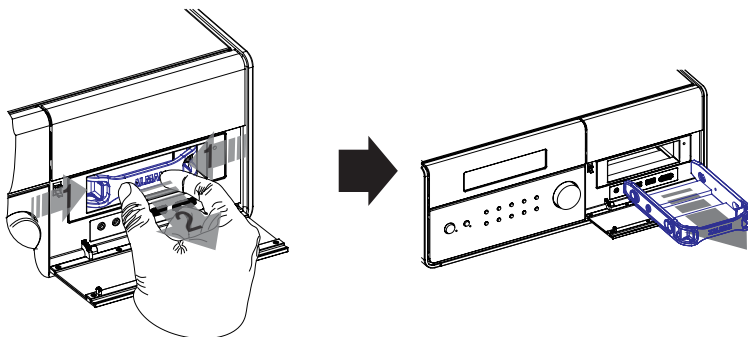
(7) Hot Swap Bay Installation

1) HDD Tray Removal

Push the Hot Swap Bay Cover to open.

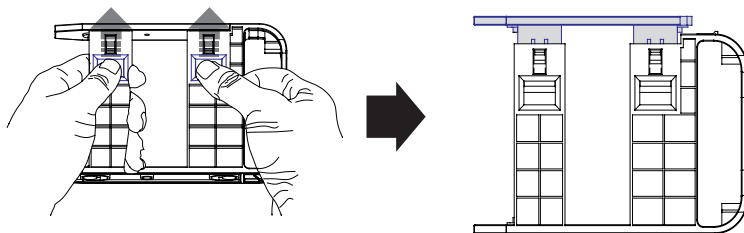


While squeezing and holding the Hot Swap Tray's Hook in 'Direction 1', pull in 'Direction 2' to remove the Hot Swap Tray.

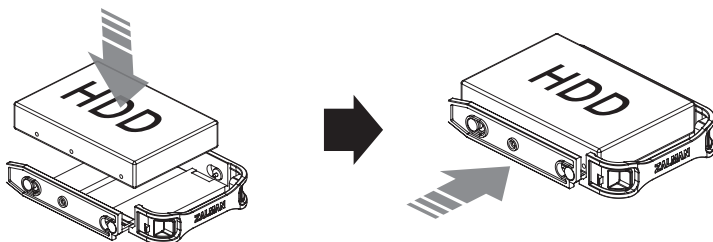


2) 3.5" HDD Installation

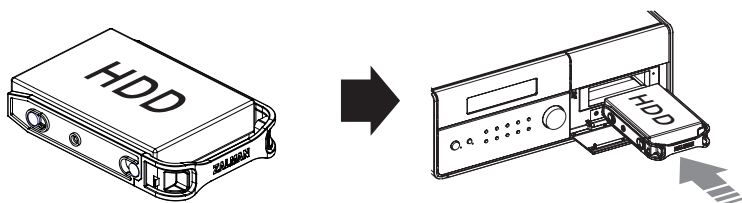
'Open' the Hot Swap Tray by pressing the Hot Swap Tray's Hooks located on the underside, and pushing in the direction as shown the diagram.



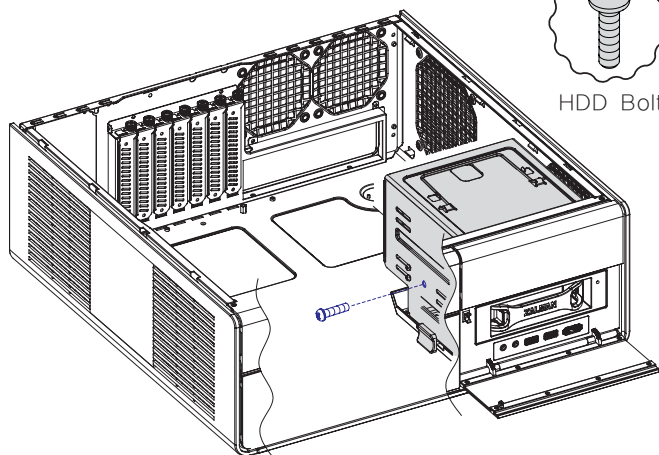
Align the HDD's screw holes with the Hot Swap Trays Fixing Pins, then 'close' the Hot Swap Tray by pushing in the protruded section.



Check that the Hot Swap Tray's Fixing Pins and the HDD's holes are properly aligned and fastened. Fully insert the HDD installed Hot Swap Tray into the Hot Swap Bay.

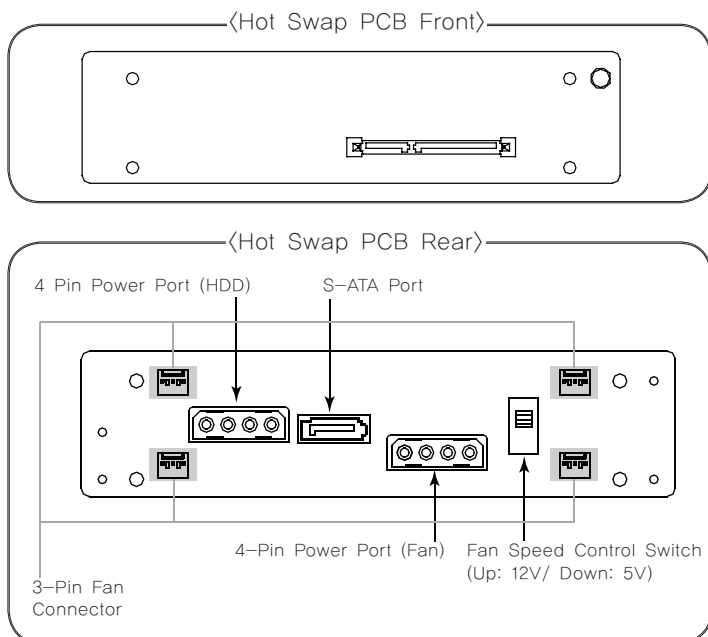
**Tip**

If the system is frequently transported the Hot Swap Tray can be secured by installing the HDD Bolt as shown in the diagram.

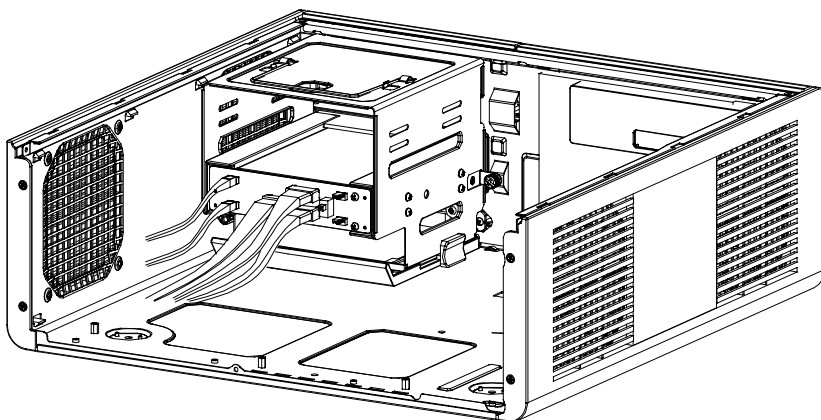


HDD Bolt

3) Hot Swap Cable Connection



The S-ATA cable and power cable MUST be connected to the S-ATA Port AND 4-Pin Power Port before powering ON.

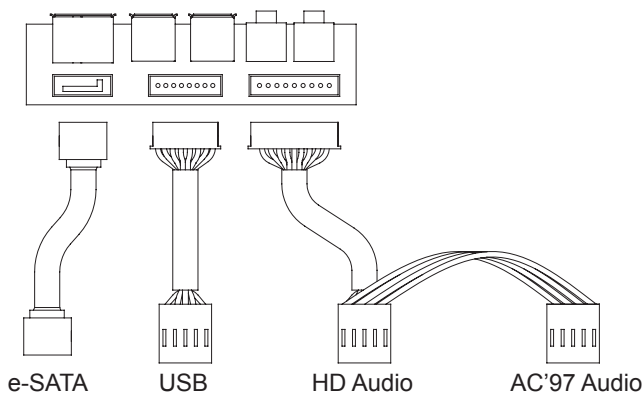


Warning

For stable operation, please turn the system OFF before HDD removal.

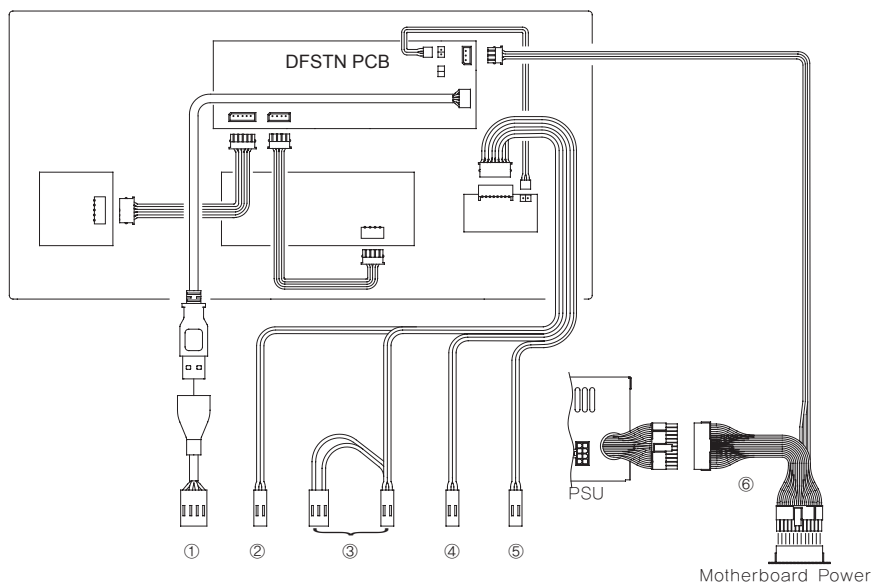
(8) Cable Connections

1) Front Panel I/O Cable Connections [HD501, HD503]



2) DFSTN and Media Controller Cable Connections [HD503]

Please refer to the motherboard's manual for cable connections to the motherboard.



① USB(4/5-Pin)

② Power(2-Pin)

③ Power LED(2/3-Pin)

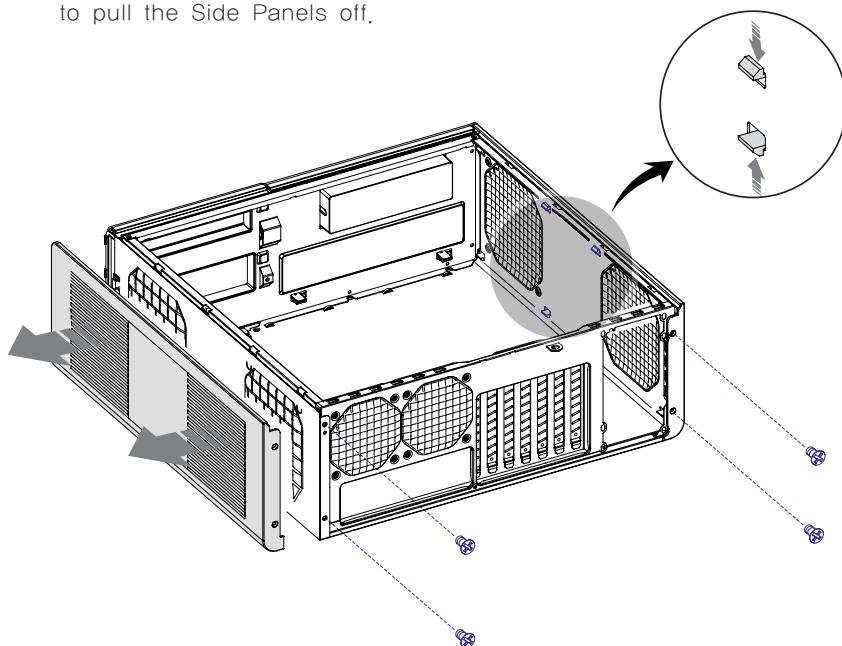
④ Reset(2-Pin)

⑤ HDD LED(2-Pin)

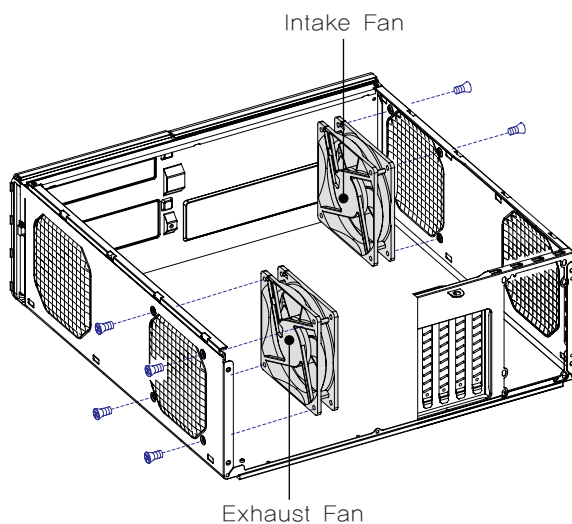
⑥ Standby Power(20/24-Pin)

6 Optional Fan Installation

Unfasten the Fixing Bolts and press the Hooks towards each other to pull the Side Panels off.



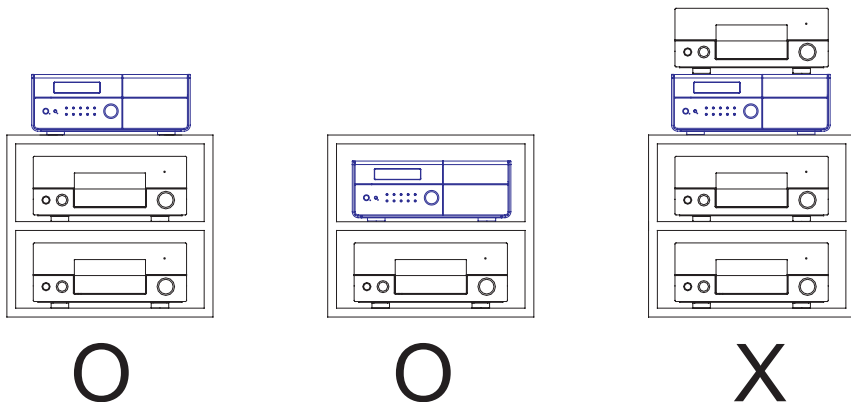
Install the 2 X 120mm fans to the locations shown in the diagram.



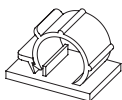
7 Recommended Use

1) Installation Location

For adequate air flow, please install the system in a well ventilated area. Low air flow can cause high fan RPM, which can create unwanted noise.



2) Cable Routing



Please use the provided Clamp and Cable Ties for cable management.



Tip

Keeping the case free of cable clutter will allow better air flow for enhanced cooling performance.

MEMO
